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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Usuka *et al.*

Confirmation No.: 3878

Serial No.: 10/015,167

Art Unit: 1631

Filed: December 11, 2001

Examiner: Eric S. DeJong

For: SYSTEM AND METHOD FOR  
PREDICTING CHROMOSOMAL  
REGIONS THAT CONTROL  
PHENOTYPIC TRAITS

Attorney Docket No.: 9080-016-999  
(800935-999015)

**AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.111**

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

The enclosed Amendment and Response is in reply to the Office Action dated January 9, 2008 for the above identified patent application. Please enter the amendments presented herein and consider the remarks. A response to the Office Action is due April 9, 2008, accordingly this Amendment and Response is timely filed.

This paper includes:

**Listing of the Claims** begins on page 2.

**Remarks** begin on page 15.

**Appendix A** follows page 21.